

HIGHWAY PERFORMANCE MONITORING SYSTEM

State of California

Department of Transportation

Division of Transportation System Information

Some of the major purposes:

- ❑ Biennial reports to Congress on the state of the nation's highways
- ❑ A basis for funding allocation to the states
- ❑ VMT for air quality conformity tracking in carbon monoxide and ozone nonattainment areas
- ❑ Planning data to Caltrans, the Regions, and other agencies
- ❑ Input to the California Public Road Data

Find it here:

<http://www.dot.ca.gov/hq/tsip/hpms/hpmslibrary/hpmspdf/2010PRD.pdf>

State Highway Traffic Data

Traffic and Vehicle Data Systems Unit

<http://www.dot.ca.gov/hq/traffops/saferesr/trafdata/index.htm>

Caltrans traffic counts are summarized annually into three reports:

- **Traffic Volumes**
- **Annual Average Daily Truck Traffic**
- **Ramp Volumes**

These may be downloaded from this site (PDF or Excel Files).

A Public Road

- A public road is any road or street owned and maintained by a public authority and open to public travel. [23 U.S.C. 101(a)].
- ... must be ... passable by four-wheel standard passenger cars, and open to the general public for use without restrictive gates, prohibitive signs, or regulation ... [23 CFR 460.2(c)]



The new data model

- Facilitates dynamic segmentation
- Bifurcation of functional classification is eliminated

The new data model changes how sections are indexed

- County code and section ID is now defunct. It's archived.








- Example from to
WILSHIRE BLVD FIGUEROA AVE GRAND AVE

County Code = 037 Section ID = 07L188160000

- Would now be indexed by a Linear Referencing System

LRS ID = ~~000000L18801~~ Begin LRS = 15.538 End LRS = 15.768
LA_LA_WILSHIRE BLVD

Functional Classification Conversion Table

Old FC Code		New FC Code
1, 11	 Interstate	1
12	 Other Freeways and Expressways	2
2, 14	 Other Principal Arterial	3
6,16	 Minor Arterial	4
7, 17	 Major Collector	5
8	 Minor Collector	6
9, 19	 Local	7

**This year we are limiting our requests to traffic data,
and only to what you have on hand!**

CAN YOU PROVIDE THESE ITEMS?

ADT (or AADT)




















Peak Hour Volume (or K Factor)

D Factor

Truck Percentages

and Forecast Traffic, if you have it?

Figure C-1 – FHWA Vehicle Classification Scheme

Passenger Vehicles	Class	Illustration	Description
	1		Motorcycles
	2		Passenger Cars
Single-Unit Trucks	3		Pickups/Vans
	4	 	Buses
	5	  	6 tire two-axle single unit trucks
	6	 	Three axle single unit trucks
	7	 	Four or more axle single unit trucks
Combination-Unit Trucks	8		Four or fewer axle truck and trailer combinations
	9		Five axle truck and trailer combinations
	10		Six or more axle truck and trailer combinations
	11		Five or fewer axle multis
	12		Six axle multis
	13		Seven or more axle multis
These are negligible	14		Errors/Unknown

For more information

Contact us:

Marcia Corrigan

Serving Los Angeles, Orange, Ventura, Riverside,
San Bernardino, and Imperial Counties.

Phone: (916) 653-2808

E-mail: marcia.corrigan@dot.ca.gov

Brian Domsic

Highway Performance Branch

Phone: (916) 653-3272

E-mail: brian.domsic@dot.ca.gov

This presentation is available at the HPMS web site:

<http://www.dot.ca.gov/hq/tsip/hpms/index.php>

